

#0/730/448

12/08/03 →

10/11/00 (Earliest date)

Examiner's copy

IN THE CLAIMS

Please amend the claims as follows.

Claims 1-12 (Cancelled)

13. (new) A process for the combustion of volatile organic compounds ^{comprising} including ^{organic} the step of contacting the volatile compound with oxidation catalysts comprising mixed oxides of copper, manganese and one or more rare-earth metals, wherein the metals can assume multiple valence states, having a percentage composition by weight, of 35-40% CuO, 50-60% MnO and 10-15% La₂O₃.

14. (New) The method of claim 13 ^{process} including the step of contacting the volatile organic compounds in a gaseous effluent. ^{comprises}

15. (New) The method of claim 13 ^{process} including the step of contacting the volatile organic compounds in a gaseous effluent from chemical or printing industries. ^{comprises}

16. (new) The method of claim 13 ^{process} including the step of contacting the volatile organic compounds present in gaseous effluents of reactors for the solid state polycondensation of aromatic polyester resins. ^{comprises}

17. (new) The method of claim 16 ^{process} including the step of supplying a ^{stoichiometric} stoichiometric amount of oxygen for the combustion of the volatile organic compounds to carbon dioxide and water. ^{comprises}

18. (new) A process ^{for} of the combustion of hydrocarbons in the burner of thermal power stations for generating electricity including ^{combustion} the step of contacting the hydrocarbons with oxidation catalysts comprising mixed oxides of copper, manganese and one or more rare-earth metals, wherein the metals can assume multiple valence states, having a

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percentage composition by weight, ~~expressed as CuO, MnO and rare-earth oxides (in which~~
the metal has the lowest valence) of, respectively, 8-50%, 10-75% and 2-15%.

Respectfully submitted,

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[13-18] pending

[13-17] A process for combustion of
Volatile organic compounds %

oxidation catalyst %

{ 35-40% = CuO
50-60% = MnO
10-15% = La₂O₃ }

(18) A process for combustion of hydrocarbons %

avr
Mn = 7-40%
La = 1-25%
Cu = 5-20%

claims (18)
Mn = 10-75%
La = 2-15%
Cu = 8-50%

423 / 245.3

502 / 303 ✓
302 ✓
304 ✓
324 ✓
345 ✓
346 ✓
355 ✓
415 ✓
439 ✓
241 ✓
244 ✓
263 ✓

searched =